

STURIS, L.

Find new ways for increasing the productivity of DSP-24 dryers.  
Muk.-elev. prom. 27 no.8:29 Ag '61. (MIRA 14:7)

1. Glavn'y inzhener Sibirskogo khlebopriyemnogo punkta Omskoy  
oblasti.  
(Grain--Drying)

06248  
SOV/107-59-6-12/50

6(

AUTHOR: Sturis, M. (RQ2AVL), Secretary

TITLE: Increasing the Numbers of Rural Radio Amateurs

PERIODICAL: Radio, 1959, Nr 6, pp 8-9 (USSR)

ABSTRACT: The author describes some of the measures for increasing the number of radio amateurs in the Tukumskiy rayon. Recently, a radio amateur club was organized in Tukum which already has 50 members. Members of the primary DOSAAF organizations are actively engaged in attracting more youths from the kolkhozes and villages to join the radio club. Sofar, there are 22 VHF amateur stations in the Tukumskiy rayon and some of the operators achieved outstanding results in All-Union contests. It is planned to increase the number of VHF amateur stations in the future.

ASSOCATION: Tukumskiy RK CP Latvia

Card 1/1

STURIS, M.

Our suggestions. Radio no.4:15 Ap '61.

(MIRA 14:7)

1. Radicstantsiya UQ2AVL, chlen Tukumskogo samodeyatel'nogo  
radiokluba, uchastnik vtrykh Vsesoyuznykh srovnovaniy sel'skikh  
ul'trakov otkovolnovikov.

(Radio operators)

BEKER, M.Ye., kand. tekhn. nauk, red.; VIESTURS, U.R. [Viesturs, U.]  
red.; DZIMBERCA, B.A., kand. biol. nauk, red.; KUKAYN, R.A.,  
[Kukains, R.], doktor med. nauk, red.; KARKLIN'SH, R.Ya.  
[Karklijs, R.], kand. tekhn. nauk, red.; STURIS, T.E., red.;  
YAKOBSON, Yu.O.[Jakobsons, J.], kand. biol. nauk, red.

[Microbiological processes and production] Mikrobiologiche-  
skie protsessy i proizvodstvo. Riga, Izd-vo AN Latv.SSR,  
1964. 153 p. (MIRA 17:8)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija.  
Mikrobiologijas instituts.

STURIS, Yu. I., elektromekhanik

Transistorized microphone amplifier. Avtom. telem. i sviaz' 4 no.9:  
21-25 S '60. (MIRA 13:9)

1. Rizhskaya distantsiya signalizatsii i svyazi Latviyskoy dorogi.  
(Transistor amplifier) (Microfone)

STURKIN, D.A.

Magnetostriction of ferrosilicon. D. A. Sturkin  
(Acad. Sci., U.S.S.R.), Izvest. Akad. Nauk S.S.R.,  
Ser. Fiz. 11, 661-6(1947).--Monocrystals with 3.6% Si  
were measured in vacuum ( $10^{-4}$  mm.) at 20-600°. For  
the const. of magnetostriction,  $\lambda$ ,  $23 \times 10^{-6} < \lambda_{\text{Mol}} <$   
 $25 \times 10^{-6}$  and  $-3 \times 10^{-6} < \lambda_{\text{Mol}} < -1.5 \times 10^{-6}$ ;  
 $\lambda_{\text{Mol}}$  has a max. at approx. 480°;  $\lambda_{\text{Mol}}$  decreases with  
rising temp. S. Pakswar

STUELLIS, Yu., in: hener.

Maintenance equipment inventory tables for automobile transport organizations. Avt.transp.32 no.12:11 D '54. (MLRA 8:3)  
(Transportation, Automotive) (Automobiles--Repairing)

STURLIS, Yu.

STURLIS, Yu., inzhener; VAYNSHEYN, N., inzhener.

A new type of inspection pit. Avt.trasnsp. 33 no.2:12-14 F '55.

(MIRA 8:5)

1. Tekhnicheskoye upravleniye Ministerstva avtomobil'nogo transporta  
i shosseynykh dorog SSSR (for Sturlis). 2. Sochinskoye avtoupravleniye  
(for Vaynsheyn).

(Motor trucks---Inspection)

STURLIS, Yu., irzh.

Mechanized washing of motorbuses. Avt. transp. 37 no.2:16-21 F '59.  
(MIRA 13:1)

(Motorbuses--Maintenance and repair)

STURLIS, Yu., iizh.

Utilization of hidden potentialities. Avt.transp. 38  
no.3:17-18 Mr '60. (MIRA 13:6)  
(Motor vehicles--Maintenance and repair)

STURM, H.

Transport and hoisting equipment for plants. p. 175. (Strojirenska Vyroba. Praha. Vol. 5,  
no. 4, Apr. 1957.)

SO: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957. Uncl.

STURM, H.

Development and improvement of Factory transportation. p.219.  
(Strojirenska Vyroba, Vol. 5, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

STURM, Ivo

Fifteen years of experience with the Czechoslovak refrigerator cars in the Mrazirny National Enterprise. Prum potravin 15 no.1:20-?1 Ja'64.

1. Mrazirny, n.p., zavod 01, zavod 12, sjezdu komunisticke strany Ceskoslovenska, Praha - Sedlec.

SZANTO, Laszlo, dr.; GYULAI, Brno, dr.; STURM, Jozsef, dr.

Death caused by myxedema. Orv.hetil. 101 no.42:1487-1489 16 0 '60.

1. Orszagos Reuma es Furdoughyi Intezet, II, Belosztaly.  
(MYXEDEMA case reports)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

STURM, V. A.

Ass't Prof., Leningrad State Pediatric Med. Inst. -cl948-. "The Treatment of Congenital Toes During Infancy," Vop. Ped. i. Okhran. Mater. i. Det., 16, No. 6, 1948.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

STURMA, Alois  
SURNAME, Given Name

Country: Czechoslovakia

Academic Degrees: MD

(4)

Affiliations:

Source: Prague, Practicky Lekar, Vol 41, No 9, 1961, pp 408-411.

Data: "Experience With the Treatment of Ulcers With Robudene."

Authors: STURMA, Alois, Health Department VPA /Vojenska politicka akademie;  
Military Political Academy/, Prague.

PLISKA, Josef, First Aid Unit MNO /Ministerstvo narodni obrany;  
Ministry of National Defense/, Prague.

252  
670 981643

STURMA, A.; DUBOVSKY, J.; PETRASEK, J.; DUBOVSKA, E.

Studies on the excretion of  $\alpha$ -ketoglutaric, pyruvic and 3-methoxy-  
4-hydroxy mandelic acid in university students under the influence  
of increased work load. Activ. nerv. sup. 4 no.2:192-193 '62.

1. Zdrav. odd. VPA-KG, Praha, III interni klinika fak. vseob. lek.,  
Praha.

(KETO ACIDS urine) (PYRUVATES urine)  
(MANDELIC ACIDS rel cpds) (STUDENTS)  
(FATIGUE MENTAL)

L 12948-66

ACC NR: AP6005670

SOURCE CODE: CZ/0079/65/007/002/0181/0183  
26 B

AUTHOR: Tuma, J.; Sturma, A.; Kanturek, V.; Dankova, J.

ORG: Institute of Aviation Medicine, Prague; Military Academy, Prague; Institute of Industrial Hygiene and Occupational Diseases, Prague

TITLE: Psychophysiological and biochemical study in university students during examinations [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 181-183

TOPIC TAGS: psychophysiology, biochemistry, man, vision

ABSTRACT: Methods relating to different functional levels of higher nervous functions were used. An arithmetical test, a test for critical frequency of intermittent visual stimulation, and the clock test (stopping a clock at a given point on the dial). Twelve students aged 30-35 years were studied. In all students an increase in the performance after the examinations was found. The flicker fusion frequency was only slightly altered. However, neurotic students showed a lower performance with the clock test after the examinations. The changes were not due to the importance of the load but more to the conditions under which the tests were made. The CNS showed changes that indicate a negative effect of mental strain. Orig. art. has: 1 table. [JPRS]

SUB CODE: 05, 06 / SUBM DATE: none

Card 1/1 400

L 30943-66

ACC NR: AP6023156

SOURCE CODE: CZ/0060/65/000/004/0161/0164

AUTHOR: Sturma, Alois—Shturma, A. (Lt. colonel; Doctor of medicine; Candidate of sciences); Slavicek, Jaroslav—Slavichek, Ya. (Graduate physician) <sup>17</sup> <sub>B</sub>ORG: Sturma VPA KC, Prague; Slavicek Physiological Institute, FVL, KU, Prague  
(Fyziologicky ustav FVL KU)TITLE: Physiological determination of physical fitness in relation to sports achievements of students <sup>72</sup>

SOURCE: Vojenske zdravotnické listy, no. 4, 1965, 161-164

TOPIC TAGS: man, physical fitness, physiologic parameter

ABSTRACT: 31 healthy men aged 31-35 years were subjected to a standard physical load of 10.5 kgm/kg body weight (step test) for 5 minutes. The following were investigated: physical fitness index, pulse rate after physical stress, respiratory rate during and after physical exertion, the minute tidal volume during and after physical stress. The average fitness value was 89; the values found varied between 71 and 102. This shows the low fitness of the subjects, because an average athlete is subjected to stresses of 14 kgm/kg body weight. Orig. art. has: 7 figures and 1 table. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 004

UDC: 613.7-072.7

Card 1/1 04

K367

STURMA, J

[Premature rupture of fetal membranes as a cause of premature births]  
Predcasny odtok vody plodove, jeho priciny a vztah k predcasnemu poro-  
du. Cesk. gyn. 15 no.1-2:101-108 '50. (CIML 19:1)

1. Of the Third Obstetric-Gynecological Clinic (Head -- Prof. J. Trapl,  
M.D.), Prague.

STURMA, J.; MASEK, K.

Contributions to the article "Experimental findings on the metabolism  
of steroid hormones." Cesk. gyn. 17 no. 5-6:265-273 1952. (CLML 23:1)

1. Of the Institute of Mother and Child Welfare (Head--Prof. J.  
Trapl, M. D.) Prague-Podole.

*STURMA*

STURMA, J., MUDr.

Management of labor during an acute thromboembolic accident. Cesk. gyn. 22[36] no.6:488-489 Sept 57.

1. Gyn. por. odd. Ty Turnov, primar MUDr J. Sturma.

(LABOR, compl.

thromboembolism, management (Cz))

(THROMBOEMBOLISM, in pregn.

during labor, management (Cz))

STURMA, Jan

Dependence of the development and growth of the fetus on the  
health condition of the mother. Cesk.gyn.25[39] no.6:445-459  
J1'60.

1. Katedra gyn.-por. U.N Praha.  
(FETUS physiol)  
(PREGNANCY physiol)

CEPELAK, Jiri; STURMA, Jan

Effect of interrupted pregnancy on sexual behavior of the woman.  
Cesk.gyn.25[39] no.9:709-713 N '60.

1. Ustav pro peci a matki a dite v Praze, red.doc.dr. M.Vojta,  
zaslouzil lekar CSSR. Ustav pro doskoleni lekaru v Praze,  
reditel prof. dr. J.Knobloch, Dr.Sc.  
(ABORTION THERAPEUTIC)  
(SEX BEHAVIOR)

STURMA, J.; HAVRANEK, F.; VYHNAMIK, E.

Chemical contraception. *Česk.gyn.25*[39] no.10:742-746 D '60.

1. UDL, Praha, red. prof. dr. J.Knobloch. UPMD, Praha, red.doc.  
dr. M.Vojta; VUFB, Praha, red. dr. inz. O.Nemecek v Praze.  
(CONTRACEPTIVE:)

CEPELAK, Jiri; STURMA, Jan

The effect of mechanical contraceptives on sexual life in women.  
Cesk. gyn. 26 [40] no.5:392-394 1961.

1. Ustav pro peci o matku a dite, Praha, reditel doc. dr. Mir. Vojta,  
zasl. lekar CSSR Ustav prc doskol. lèkaru, katedra gyn. por., Praha,  
prednosta doc. dr. Ant. Černoch.  
(CONTRACEPTIVES) (SEX BEHAVIOR)

STURMA, J.

The problem of delayed fetal development during intrauterine life.  
Cesk. gynek. 26 no. 9: 662-669 N '61.

1. Gyn. por. klinika UDL Praha, prednosta doc. MUDr. Ant. Cernoch.

(FETUS)

STUFMA, J.; HAVRANEK, F., CSc.; VYHJANEK, K.

Use of a cream in contraception. Cesk. gynek. 27 no.9:666-668 N '62.

1. UDL -- Praha, red. prof. MUDr. J. Knobloch, UPMD -- Praha, red. doc.  
MUDr. M. Vojta, VUFB -- Praha, red. dr. inz. O. Nemecek.  
(CONTRACEPTIVES)

CZECHOSLOVAKIA

STUHMA, J., MD.

Obstetrics-Gynecological Ward of the Hospital KUNZ  
(Porodnicko-gynekologicke oddeleni nemocnice  
KUNZ), Ceske Budejovice

Prague, Prakticky lekar, No 9, 1963, pp 325-326

"Chemical Contraception."

WURM, Boleslav; CERNY, Zdenek, inz.; NOSEK, Bohuslav; FOLDINA, Josef;  
STURMA, Jan; ELIASEK, Jaroslav

Socialist pledge of organizers. Podnik organizace 17 no.2:54-56 F '63.

1. Ministerstvo vseobecneho strojirenstvi, organizacni stredisko G2  
(for Wurm, Cerny and Nosek). 2. Tatra, n.p., Koprivnice (for Foldina).  
3. Metalis, n.p., Nejdek (for Sturma). 4. Ceske zavody motocyklove,  
Strakonice (for Eliasek).

STURMAN, A.V., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); BULGAKOV, Yu.N., veter. fel'dsher (Strashenskiy rayon, Moldavskaya SSR); KALNITSKIY, P.I., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); OCHAKOVSKIY, Z.M., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); GOTSENOGA, A.D. (Strashenskiy rayon, Moldavskoy SSR); ABRAMYAN, G.I., veter. vrach; MEKINTIYEV, M.G., veter. fel'dsher (s. Shirrozlu, Vedinskogo rayona Arzamaskoj SSR); KIRAKOSYAN, A.A., veter. vrach; GEORGIYEV, Yu.P., veter. vrach; LOMAKIN, A.M., nauchnyy sotrudnik; SHEPELEV, L.A., veter. vrach.; TARASOV, I.I., assistent; ROMASHKIN, V.M., veter. tekhnik; ANDRIYAN, Ye.A.; BARTENEV, V.S.; KOROL', Ye.I., veter. tekhnik; YEROSHENKO, A.K., aspirant; BANZEN, Ya.P.; SARAYKIN, I.M., prof.; ZHEVAGIN, A.N., veter. vrach; BUT'YANOV, D.D., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti BSSR); SHALYGIN, B.V., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti, BSSR); RYABOKON, G.T., veter. fel'dsher; MOVSUMZADE, K.K., prof.; DUGIN, G.I., aspirant; TITOV, G.I., nauchnyy sotrudnik; MEDVEDEV, I.G., veter. vrach.; ALIKAYEV, V.A.; ALLENOV, O.A., veter. vrach.

Prophylaxis and treatment of noninfectious diseases in calves and  
piglets. Veterinariia 40 no. 40-47 F '63. (MIRA 17:2)

1. Ul'yanovskaya oblastnaya veterinarno-bakteriologicheskaya laboratoriya (for Sturman). 2. Kolkhoz imeni Kirova. Volokonovskogo  
(Continued on next card)

STURMAN, I. I.

Vaccination of young poultry against pasteurellosis. Veterinariia  
41 no.5:52-55 My '64. (MIL 18:3)

I. Izveduyushchiy otdeleniye bol'shey ptits Ul'yanovskoy oblastnoy  
veterinarnoy laboratori.

L 27485-66 EWT(1)/T JK

ACC NR: AP6012253 (A) SOURCE CODE: UR/0346/65/000/012/0085/0086

AUTHOR: Sturman, I. I. (Chief of Bird Diseases Section)

ORG: Ul'yanov Regional Veterinary Laboratory (Ul'yanovskaya oblastnaya veterinarnaya laboratoriya)

TITLE: Role of chicken mites in spreading pasteurellosis

SOURCE: Veterinariya, no. 12, 1965, 85-86

TOPIC TAGS: insect control, animal disease, animal disease therapeutics, animal parasite, disease control, fowl plague

ABSTRACT: Chicken mites Dermanyssus gallinae were shown to be carriers of avian pasteurellosis.<sup>6</sup> Studies established that wild pigeons are not carriers of virulent pasteurella, but are carriers of pasteurella during periods of outbreaks of sickness in domestic birds. Effectiveness of anti-pasteurellosis measures (vaccination,<sup>6</sup> isolation of diseased chicks) is increased if the mites are simultaneously exterminated. Orig. art. has: none.

SUB CODE: 06/ SUBM DATE: none.

Card 1/1 BLG

UDC: 619:576.895.4:616.981.45

*S. M. T. I. A.*  
BIRKOVSKIY, Yu.Ye.; PYASTSKAYA, Ye.N.; SIVURMAN, I.Ya.

Epidemiological effectiveness of the dispensary method in the  
treatment of dysentery. Zhur.mikrobiol.epid. i immun. 28 no.3:  
23-27 Mr '57.  
(MLRA 10:6)

1. Iz Kiyevskogo instituta epidemiologii, mikrobiologii i gigiyeny  
(DYSENTERY, BACILLARY, therapy  
dispensary methods (Rus))

STURMAN, Sandor

Short-wave adapter for transistor radio sets. Radiotekhnika 15  
no.1:11 Ja '65.

STURMANE, Milda; TUMSEVICS, V., kand. ekonom. nauk, red.; ZUMBERGA, M.,  
red.; BITARS, A., tekhn. red.

[Ways of improving the overhauling of industrial equipment in  
the metalworking industry of the Latvian S.S.R.] Razosanas  
iekartu kapitalremonta pilnveicōsanās iespejas Latvijas PSR  
metalapstradasanas rupniecība. Riga, Latvijas PSR Zinatnu  
akademijas izdevniecība, 1961. 91 p. (MIRA 15:3)  
(Latvia--Metalworking machinery—Maintenance and repairs)

STURMAN IS G.

S.A.

sect. B

MACHINES

621.313.333.2  
2002. Sectioning of end-ring in rotors of squirrel-cage induction motors. O. STURMANIS, Latv. PSR Zin. Akad. Viest., No. 2, 307-307 (1951) Riga.

Sectioning of one or both end-rings results in increase of starting and breaking torques of squirrel-cage motors. This sectioning should be done without disturbing the symmetry of the secondary circuit. Sections are insulated by steel-core laminations. Analysis of circuits shows that the current in the cage consists of one component corresponding to normal operating conditions of the motors and another component resulting from sectioning of end-rings and shorting of sections. Such motors are not recommended for continuous operation at full load, but on intermittent service with frequent starting and breaking period may offer savings in the required installed rating. J. LUKASZEWCZ

STURMANIS, G.

STURMANIS, G., doktor tekhnicheskikh nauk, professor; APSITIS, V., aspirant;  
KROGERIS, A., aspirant.

Electrical machines in electric power systems for railroad cars. Latv. PSR  
(MLRA 6:6)  
Zin. Akad. Vestis no. 3:93-114 '52.

I. Institut energetiki i elektrotekhniki Akademii nauk Latviyskoy SSR.  
( Railroads - Cars - Electric equipment ) (Dynamos)

STURNA, S.

4  
CSSR

HORECKY, J.; SEVCIK, L.; STURNA J.; MINARIKOVA, F.

Dept. for cardio-pulmonary surgery of the Scientific Laboratory for research of surgical patophysiology at the Medical Faculty of Comenius University, Bratislava (Odbor kardiopulmonalnej chirurgie Vedeckeho laboratoria pre výskum chirurgickej patofysiologie Lek.fak. Univ. Komenskeho), director: docent M. Kratochvil, MD

Bratislava, Bratislavské Lekarske Listy, No 7, 1963, pp 385-393

"The Importance of Hypothermia in Bohemian Anoxia of the Myocardium"

STURONKIN, A. V.

Changes in the chemical potentials and in the partial pressures of the components of ternary, two-phase systems during isothermal-isobaric changes in composition. A. V. Sturonkin and M. M. Shul'tsev. *Vestnik Leningrad. Univ. Fiz. Mat. Nauk. No. 4, Mat. Fiz. i Khim. No. 4, T. XI-1954.*

The relation between the changes in compn. and the chem. potentials of ternary, 2-phase systems at const. pressure and temp. was derived. The conditions for which the potentials and the partial pressures have a max. or min. were detd. Rules were formulated for the direction of the changes in chem. potential and partial pressure of the components during isothermal, and isothermal-isobaric changes in compn. of the solns.

J. Rostar Leach

2

6

PM

STUROV, D.S.

Analysis of cycle diagrams for multiposition sheet metal  
working automatic presses. Kuz.-shtam.proizv. 5 no.4:32-37  
Ap '63. (MIRA 16:4)  
(Sheet metal working machinery)

SKAFA, B.F., kand.tekhn.nauk; MAKHNO, D.Ye., inzh.; STUROV, I.A., inzh.;  
GARGONOV, A.T., inzh.; BATYGIN, S.P., inzh.; BELAY, B.G., inzh.

Results of the testing of shield support units. Sbor.DonUGI  
(MIRA 15:6)  
no.20:16-38 '61.  
(Donets Basin--Mine timbering)

KOPECNY, J., inz. (Pardubice); STURSA, J., inz. (Pardubice)

A nomograph of determining the exposure time in photographic  
enlarging. Jenma ~~mach~~ opt 6 no.2:52-53 F '61.

<p><u>L 61531-65</u> EWT(m)/EPF(n)-2/T/EP  <u>ACCESSION NR:</u> AP5019179</p>		<p>(b) -2 Pu-4</p>	<p>CZ/0038/64/010/011/C406/0406</p>
<p><u>AUTHOR:</u> Stursa, Jaroslav (Shturz, Ya.)</p>		<p><i>20</i> <i>B</i></p>	
<p><u>TITLE:</u> Investigation of the feasibility of using CO<sub>2</sub> condensation in the direct cycle of a nuclear power plant</p>			
<p><u>SOURCE:</u> Jaderna energie, v. 10, no. 11, 1964, 406</p>			
<p><u>TOPIC TAGS:</u> nuclear power plant, carbon dioxide, condensation reaction, gas cooled reactor, nuclear power technology</p>			
<p><u>ABSTRACT:</u> SVUT Report 60-0800/1960. The feasibility of designing a direct cycle nuclear power plant was investigated. An analysis and computations are presented of the cycle with CO<sub>2</sub> condensation. The cycle is evaluated from the viewpoint of application in gas-cooled heavy-water reactors for nuclear power plants.</p>			
<p><u>ASSOCIATION:</u> Stredni vysokou zemedelske technicky, Prague (State Research Institute of Heat Engineering)</p>			
<p><u>SUBMITTED:</u> 00  <u>NR REF Sov:</u> 000  <i>arm</i></p>	<p><u>ENCL:</u> 00  <u>OTHER:</u> 000</p>	<p><u>SUB CODE:</u> NP, IC          JPRS</p>	
<p><u>Card</u> 1/1</p>			

STURUA, G. A.: Master Med Sci (diss) -- "Occupational diseases of the skin among tea-pickers (Etiology, clinical aspects, treatment, prophylaxis)". Tbilisi, 1959, 21 pp (Tbilisi State Med Inst), 200 copies (KL, No 17, 1959, 111)

STURUA, G.A., kand.med.nauk

Dermatitis caused by poison sumac. Vest. derm. i ven. 37  
no.2:51-53 F:63. (MIRA 16:10)

1. Iz Respublikanskogo kozhno-venerologicheskogo dispansera  
(glavnnyy vrach I.S.Kikava) Adzharskoy ASSR.

STURUA, G.A., kand.med.nauk

Herpes zoster of the oral mucosa and tongue. Vest. derm. i ven. 38  
no. 3:81 Mr 164.  
(MIRA 18:4)

1. Kozhnoye o'deleniye Respublikanskogo venerologicheskogo dispansera  
(glavnnyy vrach R.S.Kikava) Adzharskoy ASSR.

Digitized by Google

FAQ

## PROCESSES AND PROPERTIES INDEX

Digitized by srujanika@gmail.com

**Micro-titrimetric determination of citric acid.** P. A. Konstantin and Galina G. Styrna (Physiol. Inst., Georgian Acad. Sci., U.S.S.R.). *Biochimika*, 13, 24 (1947), p. C. A. 30, 4061.—The citric acid is first titrd. as the Ca salt, if the concn. is less than 1:1,000. The pptn. can be carried out in wine and fruit juices without removing the proteins. The acid ext. which contains at least 0.2-0.3 mg citric acid is treated in a centrifuge tube with 0.5 ml concn.  $\text{NaOH}$ , 0.5 ml. 10%  $\text{Ca}(\text{OAc})_2$ , and finally, with 1 ml. ale. After a hr., the ppt. is washed twice by centrifugation with 50% ale. The ppt. is dissolved in 0.2 M H<sub>2</sub>SO<sub>4</sub> (60%). The mixt. is heated at 40° (ca.) for 0.5 hr.  $\text{MnO}_2$  is added dropwise, at such a rate that the oxidation is finished in 15 min. After the mixt. has stood 30 min., the  $\text{MnO}_2$  is removed with a few drops of concd. HBr. The container with the pentahromocetone is left in the refrigerator for 1 hr., or better, overnight. The ppt. is filtered through a fritted glass filter. Centrifugation can be employed, provided the surface film is broken by the addition of 1% Na chelomate. The pentahromocetone is dissolved in 25 ml. abs. ale. in a dry 300 ml. flask provided with a one-hole rubber stopper carrying a long glass tube, which acts as an air condenser. There is added 0.1 g. oxalic acid and 0.5 g. NaI. The contents are mixed, and the flask is placed on a boiling water bath. The separ. of the I is complete in 3-5 min. after the ale. soln. has begun to boil. The soln. is cooled, diluted with 10 vol. of H<sub>2</sub>O, and the I titrated with 0.01 N  $\text{Na}_2\text{S}_2\text{O}_3$ . One ml. 0.01 N  $\text{Na}_2\text{S}_2\text{O}_3$  is equiv. to 0.0501 mg. citric acid. In the urine of man, the citric acid content varies within wide limits, and averages around 26.6 mg. %—H. D.

## **410-368 METALLURGICAL LITERATURE CLASSIFICATION**

Ms. A.1.1.6.2

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

STURUA, G.G.

Human Physiology

Dissertation: "Nitrogen Metabolism in the Case of Oxygen Starvation." Cand BiolSci  
Second Moscow State Medical Inst imeni I.V. Stalin, 22 Mar 54. (Vechernaya Moskva,  
Moscow, 13 Mar 54).

SO: SUM 20 Sep 54

IVANOV, D.I.; STURUA, G.G.

Supplying the organism with oxygen under conditions of extremely rarefied atmosphere (experiments with animals) [with summary in English]. Biofizika. 4 no.2:243-249 '59. (MIRA 12:4)

1. Nauchno-issledovatel'skiy institut aviatcionnoy meditsiny, Moskva.

(ANOXIA, eff.

resp. of anesthetized animals in simulated extreme altitudes (Rus))

FEDOROV, I.V.; KHAZEN, I.M.; STURUA, G.G.

Change in the correlations between excretions of 17-hydroxycorticosteroids and 5-hydroxyindoleacetic acids in pilots. Vop. med. khim. 9 no.6: 583-587 N-D '63.  
(MIRA 17:10)

VOROB'YEVA, R.A.; STURUA, L.P.

Safe cleaning of dehydrators. Bezop. truda v prom. 3 no.6:27-28  
Je '59. (MIRA 12:10)  
(Petroleum industry--Equipment and supplies)

STURUA, L.P.

Safety measures in operating an installation for making TSIATIM-339  
additive. Trudy VNIITB no.13:83-89 '60. (MIRA 14:12)  
(Tsiatim-339)

OSIPOV, Vladimir Dmitriyevich; STURUA, M., red.; GINZBURG, A., tekhn.red.

[The money is on the right; a Canadian notebook] Den'gi lezhat  
sprava; kanadskie zamechki. Moskva, Izd-vo "Izvestiia," 1960.  
214 p.

(MIRA 13:6)

(Canada--Description and travel)

KASSIS, Vadim Borisovich; STURUA, M., red.; GINZBURG, A., tekhn. red.

[Maldives an archipelago without mysteries; report from the atolls of the equator] Mal'divy - arkhipelag bez tain; reportazh s atollov ekvatora. Moskva, Izd-vo "Izvestiya," 1963. 110 p. (MIRA 16:8)  
(Maldives—Description and travel)

ZHIGENTI, T. I.; STURUA, N. L., red.; SARKISYAN, L. N., red. izd-va;  
DZHAPARIDZE, N. A., tekhn.red.

[Collective-farm peasantry of the Abkhazian A.S.S.R. in the  
struggle for agricultural reconstruction during the post-  
war period, 1945-1958] Kolkhoznoe krest'ianstvo Abkhazskoi  
ASSR v bor'be za vosstanovlenie i razvitiye sel'skogo khoziaistva  
v poslevoennyi peridd, 1945-1958 gody. Tbilisi, Izd-vo Akad.  
nauk Gruzinskoi SSE, 1960. 63 p. (MIRA 14:4)  
(Abkhazia--Collective farms)

STURUA, V.  
25582

Fricosoblenie dlya frezerovaniya kulis rulevykh mashin. Predlozhenie slesarya  
T. Larina vneizrennoye no zavode Im. V. Sturua. Kor. FLOT, 1948, No.7,  
s. 44-45.

SO: LETOPIS NO. 30, 1948

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

KIKAVA, R.S., STURYA, G.A., TVALCHRELIDZE, M.V.

Fungi of the Adzhar A.S.S.R. Vest.derm. i ven. 32 no.4:78  
Jl-Ag '58 (MIRA 11:10)  
(ADZHAR A.S.S.R.--DERMATOPHYTES)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

CUREA, I.; MIHAILESCU, Dtr.; TORO, E.; CUREA, O., prof.; BERCEI, E.;  
GHEREGA, O.; JURA, C., conf.; OHANOVICI, N.; SINITEANU, D., asist.;  
LAMOTH, P., conf.; POLICEC, A., asist.; MARLENUT, U., asist.;  
STURZ, I.; OITA, V.; BAEA, R.; MUNTEANU, A.; SCHIFF, A., asist.

Total solar eclipse of February 15, 1961. Studii si cercetari de astronomie  
no.2:247-258 '62.

1. Membru al Comitetului de redactie, "Studii si cercetari de astronomie  
si seismologie" (for I. Curea). 2. Studenti la Institutul Pedagogic  
Timisoara (for Bercei and Gherega).

STRNAD, Miroslav; HOLECKOVA, Rut; ROZANEK, Pavel; STAROSTA, Vladimir;  
SEBESTA, Josef; STURSA, Vladimir; VOJTEK, Jaroslav

A method for the diagnosis of new cases and recurrence of  
tuberculosis. Sborn. ved. prac. lek. fak. Karlov. univ.:  
Suppl. 8 no.5:577-582 '65.

Age, occupation and social factors in severe tuberculoses.  
Ibid.:583-587

Resistance problems in Mycobacteria tuberculosis and the  
treatment of severe tuberculosis with secondary antituber-  
cular agents. Ibid.:589-592

Some cases of severe tuberculosis escaping early diagnosis.  
Ibid.:593-598

1. Tbc oddeleni v Nachanicich (prednosta MUDr. J. Sebesta).

BALINT, Peter; KISS, Eva; STURE, Jozsef

Effect of letting of small amounts of the blood on minute volume  
of the heart and renal circulation. Kiserletes Orvostudomany 11  
no.4:262-272 August 1959

1. Budapesti Orvostudomanyi Egyetem Elettani Intezete.  
(BLOODLETTING, eff)  
(HEART, physiol)  
(KIDNEYS, blood supply)

BALINT, Peter; KISS, Eva; STURCZ, Jozsef

Minute volume of the heart and renal circulation in acute hypotonia.  
Kiserletes Orvostudomany 11 no.4:351-362 August 1959

1. Budapesti Orvostudomanyi Egyetem Klettani Intezete.  
(HYPOTENSION, exper)  
(KIDNEYS, blood supply)  
(HEART, physiol)

BALINT, Peter; FEKETE, Agnes; STURCZ, Jozsef; SZALAY, Zsuzsanna, technikai  
segédszinten

Blood circulation and renal function in post-hemorrhagic  
hypotonia. Kiserletes. Orvostudomany 12 no.1:20-26 F '60.

1. Budapesti Orvostudomanyi Egyetem Ellettani Intezete.  
(HYPOTENSION exper)  
(KIDNEYS physiol)

BALINT, P.; FEKETE, Agnes; STURGZ, J.; with the technical assistance of  
S.Szalay.

The influence of haemorrhage on circulation and renal function in  
the dog. Acta physiol. hung. 17 no.3:287-293 '60.

1. Institute of Physiology, Medical University, Budapest  
(HEMORRHAGE, exper)  
(BLOOD CIRCULATION physiol)  
(KIDNEYS, physiol)

STURZ, R.

Kobe, a hydraulic pumping system. p. 291. NAFTA  
(Institut za naftu) Zagreb, Yugoslavia.  
Vol. 6, No. 9, Sept. 1955.

SOURCE: East European Accessions List, (EEAL) Library  
of Congress, Vol. 5, No. 8, August, 1956.

SIMONEK, Jiri; STURSA, Jaroslav

Analysis of the problems of steam cycles of nuclear power plants  
with regard to the A-2 alternative. Jaderna energie 9 no.8:265-  
266 Ag '63.

1. Statni vyzkumny stav tepelne techniky, Praha.

STURZA, Marius; MACELARIU, A.; WEISS, L.; PREDA, Gh.; BURLA, A.; CATANA, I.;  
MATIS, E.

Balneotherapy and physical therapy of brachialgia and intercostal neuralgia  
caused by spondylosis at the level of the cervico-dorsal spine. Probl.  
reumat., Bucur. no.5:55-58 1958.

1. Institutul de balneologie si fizioterapie, Bucuresti.  
(SPONDYLOSIS, complications  
brachialgia & intercostal neuralgia in cervico-dorsal spondylosis,  
balneol. & phys. ther.)  
(ARM, dis.  
pain caused by cervico-dorsal spondylosis, balneol. & phys.  
ther.)  
(NEURALGIA  
intercostal, caused by cervico-dorsal spondylosis, balneol. &  
phys. ther.)  
(NERVES, THORACIC, dis.  
intercostal neuralgia, caused by cervico-dorsal spondylosis,  
balneol. & phys. ther.)  
(BALNEOLOGY, in various dis.  
brachialgia & intercostal neuralgia caused by cervico-dorsal  
spondylosis)  
(PHYSICAL THERAPY, in various dis.  
same)

C.A.

H.H.

Effect of 1,2-dihydroxy-3-(4-methoxyphenoxy)propane -  
Zoltán Dirner and Tibor Sturzér, Tudományegyetemi  
Gyógyszereti Intézet, Szeged, Hung.). Magyar Belorvos  
Arch. 1, 270-82 (1948).—In frogs and rabbits the compd. has  
a paralyzing effect not only on the central nervous system but also on the peripheral nervous system. The effect is preceded by central excitation and increase of reflex excitability. Such concus. which paralyzed nerve elements were quite ineffective on striated muscle fibers. The compd. has also a paralyzing influence on the nonstriated muscle of isolated intestine. Tetanic spasms caused by strichnine were transformed to clonic movements after the compd.  
István Finálv

STUSAK, Josef M.

New discoveries about nymphs of some tingid bugs (Hemiptera-Heteroptera, Tingidae). Cas entom 57 no.2:118-128 '60. (EEAI 10:1)

1. Chair of Plant Protection, High School (Univ.) of Agriculture,  
Prague.  
(Heteroptera) (Hemiptera) (Tingidae)

STUSAK, Josef M.

Acalypta samara (Puton, 1887), a new variety of lace bugs in the  
Czechoslovak fauna. Biologia 16 no. 3:209 '61.  
(EEAI 10:9/10)

1. Katedra ochrany lesa a zoologie Vysoke skoly zemedelske, Praha.

(LACE BUGS)

STUSAK, Josef M., dr. (Neveren 13 u Plzne)

Immature stages of *Elasmotropis testacea* (H.-S.) and notes  
on the bionomics of the species (Heteroptera, Tingidae).  
Cas entom 59 no.1:19-27 '62

1. Chair of Forest Protection and Zoology, High School of  
Agriculture, Praha.

S'TUSAk, Josef M., dr. (Nevren 13, u Plzne)

The nymphal instars of four lace bugs from Czechoslovakia  
(Heteroptera, Tingidae). Cas entom 59 no.2:111-123 '62.

1. Chair of Forest Protection and Zoology, Agricultural  
University, Praha.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

STUSAK, Josef M.

Entomofauna of an alfalfa field in Karlstejn area. Rozpravy mat  
CSAV 72 no.9:3-77 '62

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

CZECHOSLOVAKIA

Josef M. STUSAK, Department of Zoology, College of Agriculture (Katedra zoologie, Vyseka skola zemedelaks,) Prague.

"Hyalochitona komaroffi (Jak.) in Czechoslovakia (Heteroptera, Tingidae.)"

Bratislava, Biologis, Vol 18, No 2, 1963; p 165.

Abstract: Finding of 2 specimens is reported. The species is so striking that it could not have escaped the attention of entomologists if it were indigenous; hence the individuals caught must have migrated from the Mediterranean. Three references: Hungarian, Soviet, German.

1/1

STUSAK, Josef M., dr. (Nevren 13 u Plzne)

The nymphs of Agramma minuta (Horv.), Acalypta gracilis (Fieb.) and Dictyonota tricornis (Schrk.), (Heteroptera, Tingidae). Cas entom. (1) no 1, 19-24 '64

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

1. Chair of Zoology, Agricultural University, Praha.

STUŠEK, Anton, dipl. inž. mas. (Zagreb, Proleterskih brigada 52 c)

Fluidi amplifiers, Automakika 5 no. 6.494-497 '64.

1. P. St. is ak, L. F.

52

2. The speed of propagation of electromagnetic radiation,

assumption. The basic premise is that the speed of propagation of electromagnetic waves is independent of their frequency. This is assumed to explain the fact that a wave can travel along different trajectories to light of different wavelengths. From

3. potential lowers the threshold of spontaneous radioactive decay, and the half-life,

Card 1 2

of an element. Final conclusions are: 1) elements with periodic numbers higher than 100 have been formed under a force of gravity.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

STUSYAK, P.L.

Hypothesis on the role of gravitation in nature. Uch. zap. Kaz. un  
123 no.12:92-95 '63. (MIRA 17:11)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

HUNGARY

ROMICS, Laszlo, STUZEL, Maria; Medical University of Budapest, III. Medical Clinic (Budapesti Orvostudomanyi Egyetem, III. sz. Belklinika).

'Secretion of Parenterally Administered, Labelled Vitamin B<sub>12</sub> in the Small Intestine of the Rat.'

Budapest, Kiserletes Orvostudomany, Vol XIX, No 1, Jan 67, pages 48-54.

Abstract: [Authors' Hungarian summary] Co<sup>58</sup>-labelled cyanocobalamin was administered intravenously to control rats and to rats which underwent a previous ligation of the ductus choledochus or which were subjected to ligation of the ductus choledochus and removal of the pancreas. Activity was present in the intestinal content both after 1 and 24 hours. It was demonstrated by paper chromatography that the activity was carried by the vitamin B<sub>12</sub> or by some bound form of it. The labelled vitamin B<sub>12</sub> appeared in the intestinal content even after a large amount of non-labelled vitamin B<sub>12</sub> had been introduced previously. On the basis of these findings it is concluded that an active role is played by the intestinal wall in the secretion of vitamin B<sub>12</sub>. 2 Hungarian, 16 Western references. [Manuscript received 14 Feb 66.]

1/1

STUTZEL, Maria, dr.; N. GASPAR, Zsuzsanna, dr.; KEMENY, Armand, dr.  
egyetemi tanar, az allatorvostudomanyok kandidatus; BOLDIZSAR,  
Harrison, dr.

Studies on the function of thyroid gland of chickens using  
 $I^{131}$ . Pt.5. Magy allatorv lap 19 no.2:52-55 F '64.

1. Chair of Epidemiology, University of Veterinary Medicine,  
Budapest. 2. Head of Chair, Chair of Epidemiology, University  
of Veterinary Medicine, Budapest (for Kemeny).

STUTTI, J.

The 4th international course on geodetic measurement of distance  
from the viewpoint of mining engineering. Uhli 4 no.1:31 Ja '62.

1. Katedra banskeho meracstva a geofyziky, Vysoka skola technicka,  
Kosice.

STUTZ, Jaromir

Foreign visitors in the enterprise Ceskomoravska-Kolben-Danek.  
Podnik organizace 17 no.2:83-85 F '63.

1. Ceskomoravska-Kolben-Danek Praha.

KEMENY, Imre; KUTAS, Ferenc; STUTIN, Maria

Changes in inorganic phosphate and glycerodiphosphoric acid content  
of blood in hypothermia at the beginning of postnatal life. Kiserletess  
cseriatud. 9 no.2:158-165 Apr 57.

I. Allatorvostudomanyi Fejleszési Elettani Intézet Budapest.

(HYPOThERMIA, exper.

eff. on inorganic phosphate & glycerodiphosphoric acid  
content of blood in newborn animals (Ham))

(PHOSPHATES, in blood

inorganic, eff. of exper. hypothermia in newborn animals  
(Ham))

(GLYCOPHOPHATES, in blood

glycerodiphosphoric acid, eff. of exper. hypothermia in  
newborn animals (Ham))

KUTAS, Ferenc; STUMZEL, Maria

Changes in the organic acid-soluble phosphate content of erythrocytes parallel with age in dogs and rabbits. Kiselekes orvostud 9 no.5-6: 600-606 Oct-Dec 58.

1. Allatorvostudomanyi Foiskola Elletani Intezete.

(PHOSPHATES, in blood

organic, acid-soluble, changes parallel with aging in dogs & rabbits (Hun))

(AGING, eff.

on acid-soluble organic phosphate content of erythrocytes in dogs & rabbits (Hun))

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

STUYT, I.

Specialists from the German Democratic Republic visit the Academy of Sciences of the Latvian S.S.R. Vestis Latv ak no.3:150 '61.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

PORTEX, I..; STUZHIN, A.

Useful discussion; seminar of news photographers in Prague.  
Sov. foto 22 no.12:24 D '62. (MIRA 16:1)

1. Fotokorrespondenty TASS.

(Photography, Journalistic) (Prague—Exhibitions)

STUZINA, E. P.

Dissertation defended for the degree of Candidate of Historical Sciences at the  
Institute of the Peoples of Asia

"Handicraft Production in China (Second Half of the XVI-End of the XVIII Century)." "

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

STUZHINA, E. P.

"Kitayskiy feodal'nyy gorod v XII-XIII vv (na primere Kayfyna i Khanchzhou)."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

CZECHOSLOVAKIA

STUZKA, V; STRANSKY, Z; RUZICKA, E.

Institute of Organic, Analytic and Physical Chemistry of  
Palacky University, Olomouc (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 6, 1963, pp 1399-1406

"Oxazines as Azidobasic Indicators I. Study of 1,2-Benzo-  
3-(N-1-Naphthylamino)-7-Dimethylaminophenoxyazonium  
Chlorides and 1,2-Benzo-3-Aminophenoxyazon-(7)."

STVAN, ANTONIN

Geodesie pro architekta. Antonin Stvan (a) Josef Zeman. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1953. 120 p. (Ucebni texty vysokych skol) (Geodesy for architects; a university textbook. 1st ed. illus.)

S): Monthly List of East European Accessions. (SEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

PAVLOK, Jan, MUDr.; CAPEK, Dominik, Prof., MUDr.; CERNOCH, Otakar, MUDr.;  
STVERAK, Jiri, MUDr.; MALCIK, Vladimír, MUDr.; MIKULA, Jiri, MUDr.;  
CANSKY, Jiri, MUDr.

Special hygiene of aviators. Voj. zdrav. knihovna no.22:1-175  
1954.

(MEDICINE AVIATION,  
prev. & hyg. aspects (Cz))

SIVITAK, Jiri

Technical motion pictures, the most efficient means of technical  
and economic propaganda. Tech praca 16 no.2:147-148 F'64.

1. Ustredni rada Ceskoslovenske vedecko-technicke spolecnosti,

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9

STVEKAK, Jiri; VELKAL, Jan

For further development of the initiative and competition of  
technicians. Tech praca 16 no.3:186-187 Mr '64.

1. Central Council of the Czechoslovak Scientific and  
Technological Society.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

400  
163  
141  
B+1

L 41519-65 ARG/EZO-2/ENG(j)/EXT(d)/FBD/FSS-2/ENG(r)/EXT(1)/FBO/EMP(e)/EMP(c)/  
EMP(m)/FS(v)-3/EPF(c)/ECC(k)-2/ENG(s)-2/EMP(1)/EMP(f)/ENG(v)/EMP(c)/EMP(v)/EMP(1)/  
EMP(f)/T-2/ENG(a)-2/EMP(h)/EPA(bb)-2/ECC(c)-2/EED-2/ENG(c)/FCS(k)/EMP(b)/  
ANM4510 P1-4/Pn-4/Pk-4/Pn-4/ BCCC EXPLOITATION Pi-4/Fh-4/Pn-2/Ps-4/Pn-4/  
Po-4/Pn-4/Pc-4/Fr-4 IJP(c) AST/TE/MM/DD/23/GJ/EC/JH  
Barvit, Mironlav, (Engineer); Dene, Konrad, (Professor, Doctor); Bouka, Jiri, (Doctor);  
(Doctor); Trull, Ivo, (Graduate in Philosophy); Coplecha, Zdenek, (Candidate of Physical and Mathematical Sciences); Cadr, Milan, (Doctor); Dolezal, Vladimir, (Doctor); Dvorak, Antonin, (Candidate of Medical Sciences); Dvorak, Jaroslav, (Doctor); Guth, Vladimir, (Candidate of Medical Sciences, Docent, Doctor); Horak, Zdenek, (Doctor of Physical and Mathematical Sciences, Corresponding Member of the Czechoslovak Academy of Sciences, Professor, Doctor); Hosgorad, Jan, (Doctor of Physical and Mathematical Sciences, Doctor); Kleczek, Jozip, (Doctor); Klest, Fril, (Candidate of Physical and Mathematical Sciences); Kolodovny, Milan; Koml, Vladimir, (Doctor); Kopecky, Miloslav, (Candidate of Legal Sciences); Krivsky, Ladislav, (Candidate of Physical and Mathematical Sciences); Kviz, Zdenek, (Candidate of Physical and Mathematical Sciences); Ladvina, Milan, (Engineer); Malek, Vladimir, (Doctor); Marevc, Milan, (Candidate of Medical Sciences); Mrazek, Jaroslav, (Candidate of Medical Sciences, Engineer); Mrazek, Jiri, (Candidate of Technical Sciences); Neuril, Ludek, (Doctor); Novotny, Zdenek, (Candidate of Physical and Mathematical Sciences); Novotny, Zdenek, (Doctor); Pernegg, Jaroslav, (Doctor); Candidate of Physical and Mathematical Sciences; Pesek, Rudolf, Professor, Doctor, Engineer); Pijal, Milorlav, (Doctor of Technical Sciences, Corresponding member, of the Czechoslovak Academy of Sciences); Plavec, Miroslav, (Doctor); Pokorny, Zdenek, (Candidate of Physical and Mathematical Sciences, Docent, Doctor);

Card 1/0  
2

L 41519-65  
AM4045110

14

Ruml, Vladimír, (Candidate of Medical Sciences, Doctor); Sadíl, Josef, (Doctor of Physiological Sciences); Sehnal, Ladislav; Stverák, Jiří, (Doctor); Sveták, Zdeněk, (Doctor); Tuma, Jaroslav, (Candidate of Physical and Mathematical Sciences, Doctor); Tysl, Václav, (Docent, Engineer); Ulchla, Ivan, (Candidate of Technical Sciences, Professor, Doctor); Valnícek, Boris, (Candidate of Physical and Mathematical Sciences, Doctor); Vanysek, Vladimír, (Candidate of Physical and Mathematical Sciences, Docent, Doctor); Vlasák, Marian, (Candidate of Physical and Mathematical Sciences; Doctor); Voda, Miloslav, (Engineer)

Principles of astronautics (Základy kosmonautiky) Prague, Orbis, 1964. 445 p. illus., biblio. 5000 copies printed.

TOPIC TAGS: cosmonautics, rocket, satellite, space flight, missile

PURPOSE AND COVERAGE: This publication is a popular scientific reference book for people working in cosmonautics. The book presents a survey of cosmonautics and space flight up to 1 June 1963.

TABLE OF CONTENTS:

Card 2/8

ACC NR: AP7005120

SOURCE CODE: CZ/0087/66/000/004/0044/0049

AUTHOR: Jokl, Miloslav (Engineer; Candidate of sciences); Stverak, Jiri (Lieutenant colonel; Doctor of medicine)

ORG: [Jokl] Department of Industrial Hygiene and Occupational Diseases, Prague (Ustav hygieny prace a chorob z povolani); [Stverak] Department of Aviation Hygiene, Prague (Ustav leteckeho zdravotnictvi)

TITLE: The cosmonaut and the spacecraft capsule microclimate

SOURCE: Radar, no. 4, 1966, 44-49

TOPIC TAGS: cabin pressurization, life support system, manned spacecraft, spacecraft cabin microclimate, spacecraft capsule environment/Vostok-2 manned spacecraft, Vostok-1 manned spacecraft

ABSTRACT:

Soviet specifications for spacecraft cabin atmospheres require that cabin air pressure be  $760 \pm 50$  mm Hg. In Vostok-2 this ranged from 750 (at launch) to 755 (4th orbit) to 740 mm Hg (at the end). The  $O_2$  concentration should not drop below 17—18% ( $pO_2 = 130—136$  mm Hg). In Vostok-2  $O_2$  concentration varied from 24—27%. For prolonged stays in sealed chambers,  $O_2$  partial pressures 160—350 mm Hg (21—46%) are considered safe. High  $O_2$  partial pressures (418—420 mm Hg) reduce lung activity, cause chest pains, etc. The maximum safe limit for  $CO_2$  concentration set for Vostok cabins was

Card 1/4

UDC: none

ACC NR: AP7005120

1% ( $pCO_2 = 8$  mm Hg). In Vostok-2,  $CO_2$  concentration varied from 0.25—0.44%. Acceptable relative humidity by Soviet standards is 30—70%. In Vostok-1 humidity ranged from 62% at the beginning to 69% at the end. In Vostok-2, humidity varied between 53 and 54%. Soviet standards for permissible air contaminants (in parts per million) are: acrolein - 1.8, ammonia - 50.0, amylacetate - 1.0, chlorine - 3.5, organic sulfides - 0.005, ozone - 0.05, pyridine - 0.25,  $H_2S$  - 0.2, and tetrachlormethane - 70.0. Absorption filters used on the Vostoks are described as shockproof, fireproof, chemically stable in oxygen-rich atmospheres at high temperatures, made of porous synthetics, and covered (i.e., surfaced) with hygroscopic material which crystallizes upon exposure to humidity. They also remove dust. Soviets use one kind of filter to remove  $CO_2$ ,  $O_2$ , and  $H_2S$ , and a second type which removes  $NH_3$ ,  $H_2S$ , and other gases (see Fig. 1). The "regeneration unit" (RG) is a sealed container with "regenerative" material (not specified) and a regulatory mechanism (R). Dust- and odor-catching filters are placed on the "regeneration unit" outlet. Ducts leading from the ventilator fan (VR) to the dehumidifier (ODV) are equipped with louvers, one of which is controlled by the humidity sensor, while the other is operated manually. The outlet from the dehumidifier also contains a dust filter. The automatic gas analyzer (AP) registers percentages of  $O_2$  and  $CO_2$  and transmits this data to indicators ( $UO_2$  and  $UCO_2$ ) on the cabin instrument panel and to ground stations telemetrically. A warning lights up on the panel if safe limits are exceeded. Cabin air containing  $CO_2$ , water vapor, and contaminants is removed from the cabin by the ventilator-fan (VR) and moves to

Card 2/4

ACC NR: AP7005120

the "regenerating unit" (RG) where CO<sub>2</sub>, water vapor, and contaminants are absorbed and a certain amount of oxygen is released. The remaining contaminants are caught by exit filters. The desired O<sub>2</sub> concentration is maintained by the regulator (R). When humidity rises above 70%, an automatic mechanism opens louvers which cause air to pass through the dehumidifier (ODV). When humidity in the cabin drops to 35 ± 5%, the louvers to the dehumidifier close automatically. These louvers can also be controlled manually. Temperature in the cabin is controlled by an air-liquid heat exchanger (K-V) with its own temperature sensor (CT), thermostat (T), amplifier (ZS), exhaust fan (OVR), and electrically controlled louvers (EO and U). The air cycle is open while the liquid cycle is closed. A special device catches condensed water. The desired temperature is set manually on the thermostat (T). When cabin temperature deviates from the set temperature, the electrically controlled louvers (EO and U) alter the amount of air to the air-liquid heat exchanger (K-V) which cools the air. Temperature control can be maintained with an accuracy of ±1.5C. Cabin climate-control equipment is turned on four hours before takeoff for checking out. The cabin is sealed one hour before takeoff. Prior to launching the air pressure in Vostok-2 was 750 mm Hg, the temperature was +19C, and the relative humidity was 62%. These values changed insignificantly during flight. Orig. art. has: 10 figures and 3 tables. [BM]

SUB CODE: 06/ SUBM DATE: none/ ATD PRESS: 5115

Card 4/4

LANGOVA, Jirina; STVERAKOVA, Maria

Hearing disorders after epidemic cerebrospinal meningitis. Cas.lek.  
cesk 99 no. 51 1577-1582 16 D '60.

1. Foniatricka laborator fakulty vseobecneho lekarstvi KU, reditel  
prof. Dr. Sc. MUDr. M. Seeman.

(MENINGITIS compl) (DEAFNESS etiol)

Internal Medicine

CZECHOSLOVAKIA

FRANK, Zdenek; STVERAL, Jiri; DVORAK, Josef; Institute of Aero-nautical Medicine (Ustav Leteckeho Zdravotnictvi). Prague.

"Radio Waves Another Scourge of Civilization."

Prague, Radar, Vol 1, No 3, Nov 66, pp 56 - 58

Abstract: Factors influencing the medium in which people are living are discussed. Radio waves are defined as waves with frequencies between 100 kilocycles and 3,000,000 kilocycles, that is waves 1 cm to 3,000 meters long. Although these waves do not affect the senses of the body, they do have an influence on it. Thermal and non-thermal effects of the radio waves on the human organism are described. Clinical aspects of these effects are evaluated. Some of these effects are described in detail. Protection against the influence of electromagnetic fields is discussed; some peculiar effects of these fields on human beings are described. Biological effects of radio waves are discussed. 1 Table, no references.

1/1

STVERKA, F.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653710009-9"

National Conference of Inventors and Improvers in the Foundry Industry. p.122  
(Sbirka, Vynalezu, Vol. 6, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.